

INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP2004/052224

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 D21F9/00 D21F3/02				
According to International Patent Classification (IPC) or to both national classification and IPC				
B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) IPC 7 D21F				
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched				
Electronic data base consulted during the International search (name of data base and, where practical, search terms used) EPO-Internal				
C. DOCUMENTS CONSIDERED TO BE RELEVANT				
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.		
X	US 4 144 124 A (TURUNEN RISTO ET AL) 13 March 1979 (1979-03-13) column 4, line 15 - column 7, line 33 figure	1-6, 17-19, 23-25, 29, 34		
X	US 6 340 413 B1 (NILSSON GOERAN ET AL) 22 January 2002 (2002-01-22) column 4, line 40 - column 6, line 26 column 9, line 6 - line 34 figures 1-3	1-7, 18, 19, 24, 29, 34, 36, 37, 39		
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<input checked="" type="checkbox"/> Further documents are listed in the continuation of box C.				
<input checked="" type="checkbox"/> Patent family members are listed in annex.				
* Special categories of cited documents : <table border="0"> <tr> <td style="vertical-align: top;"> 'A' document defining the general state of the art which is not considered to be of particular relevance 'E' earlier document but published on or after the international filing date 'L' document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) 'O' document referring to an oral disclosure, use, exhibition or other means 'P' document published prior to the international filing date but later than the priority date claimed </td> <td style="vertical-align: top;"> 'T' later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention 'X' document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone 'Y' document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. '&' document member of the same patent family </td> </tr> </table>			'A' document defining the general state of the art which is not considered to be of particular relevance 'E' earlier document but published on or after the international filing date 'L' document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) 'O' document referring to an oral disclosure, use, exhibition or other means 'P' document published prior to the international filing date but later than the priority date claimed	'T' later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention 'X' document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone 'Y' document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. '&' document member of the same patent family
'A' document defining the general state of the art which is not considered to be of particular relevance 'E' earlier document but published on or after the international filing date 'L' document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) 'O' document referring to an oral disclosure, use, exhibition or other means 'P' document published prior to the international filing date but later than the priority date claimed	'T' later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention 'X' document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone 'Y' document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. '&' document member of the same patent family			
Date of the actual completion of the international search 22 November 2004		Date of mailing of the international search report 29/11/2004		
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016		Authorized officer Maisonnier, C		

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

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X	WO 99/40255 A (VALMET KARLSTAD AB) 12 August 1999 (1999-08-12) page 5, line 29 - page 9, line 18 page 14, line 34 - page 15, line 6 figures 1,4 -----	1-6, 16-21, 24,25, 29,34
X	DE 17 61 505 A (KIMBERLY CLARK CO) 1 July 1971 (1971-07-01) page 3, line 15 - page 17, line 20 figures 1,3 -----	1-6,18, 19, 23-25,34
X	US 4 139 410 A (TAPIO OLLI ET AL) 13 February 1979 (1979-02-13) column 3, line 42 - column 6, line 7 figure -----	1,3-5, 17,23, 24,34
X	US 6 334 932 B1 (MESCHENMOSER ANDREAS) 1 January 2002 (2002-01-01) column 6, line 23 - column 7, line 53 figure 1 -----	1,4,5,16

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Information on patent family members

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